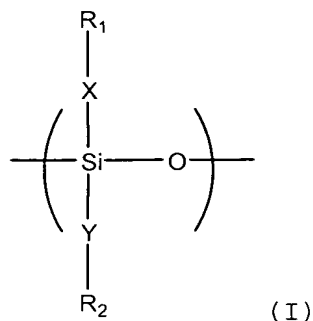


ABSTRACT

The invention relates to the use of at least one polymer comprising a repeating unit of formula (I):



in which:

X and Y = single bond or linear C₁-C₅₀ hydrocarbon group;

R₁ and R₂ = H, CN, C(Z)₃, CH(Z)₂, CH₂Z with Z = halogen; NH₂, NHR₃, NR₃R₄ with R₃, R₄ = halogen, CH₃ or linear or branched, saturated or unsaturated C₂-C₂₀ hydrocarbon chain, optionally comprising one or more heteroatoms and/or chemical functions comprising at least one heteroatom; at least one from among R₁ and R₂ being ≠ H;

or of a composite comprising this polymer and one or more conductive charges, as sensitive material in a sensor for detecting nitro compounds.

Applications: Detection of explosives, control/monitoring of atmospheric pollution and of ambient air quality, monitoring of industrial sites.